

ABSTRACT

A cavity structure and a cold cathode fluorescent flat lamp using the same are provided. The cold cathode fluorescent flat lamp (CCFFL) comprises a cavity structure, at least an electrode set, a fluorescent substance and a discharge gas. The cavity structure comprises a cavity shell, a plurality of spacer and a hardening paste. The spacers are disposed in the cavity shell. The tolerance of the height of the spacers is larger than about 0.01mm, or between about 1/20 to about 1/4 of the height of the spacer. The hardening paste is disposed between the spacer and the cavity shell. The electrode set is disposed inside the cavity shell or outside the cavity shell. The fluorescent substance is disposed on the inner wall of the cavity shell. The discharge gas is filled inside the cavity shell.